

ABSTRACT OF THE DISCLOSURE

The invention provides a liquid discharge head, a substrate for the head, a liquid discharge method, and a liquid discharge apparatus, in which a high gradation 5 can be easily obtained and simplification of a circuit formation and miniaturization of a recording head can be achieved. According to the present invention, a liquid discharge head comprises a heat generating element for generating thermal energy which is used for 10 discharging liquid from a discharge port, and a protective layer for protecting the heat generating element, provided on the heat generating element. In the discharge head, the protective layer has a first region with a substantially uniform and desired 15 thickness and a second region with a substantially uniform thickness thinner than said desired thickness, the volume of liquid droplets discharged from the discharge port is changed by changing electric energy applied to the heat generating element.